

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070821\
 Data File : VY005384.D
 Acq On : 08 Jul 2021 14:01
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:37 PM

Quant Time: Jul 09 06:43:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 06:42:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	297233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	444123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	407945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	214373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30404	12.215	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	24.440%#
35) Dibromofluoromethane	7.722	113	25536	9.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.800%#
50) Toluene-d8	10.179	98	109105	10.508	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	21.020%#
62) 4-Bromofluorobenzene	12.483	95	37373	10.757	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	21.520%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21790	11.106	ug/l	97
3) Chloromethane	2.113	50	27244	10.454	ug/l	96
4) Vinyl Chloride	2.253	62	32655	10.935	ug/l	100
5) Bromomethane	2.643	94	23928	12.385	ug/l	97
6) Chloroethane	2.796	64	19758	10.033	ug/l	94
7) Trichlorofluoromethane	3.125	101	45181	11.203	ug/l	96
8) Diethyl Ether	3.534	74	15922	10.630	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	24330	9.985	ug/l	99
10) Methyl Iodide	4.094	142	25113	7.387	ug/l	99
11) Tert butyl alcohol	4.954	59	34350	72.749	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	24657	9.993	ug/l	96
13) Acrolein	3.735	56	14420	98.654	ug/l	100
14) Allyl chloride	4.485	41	36208	10.141	ug/l	99
15) Acrylonitrile	5.180	53	36015	51.767	ug/l	99
16) Acetone	3.954	43	35274	61.007	ug/l	97
17) Carbon Disulfide	4.198	76	76267	9.964	ug/l	99
18) Methyl Acetate	4.485	43	16142	10.585	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	69047	10.138	ug/l	98
20) Methylene Chloride	4.722	84	54714	13.118	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	28019	10.179	ug/l	96
22) Diisopropyl ether	6.125	45	75705	10.187	ug/l #	92
23) Vinyl Acetate	6.070	43	240868	50.182	ug/l	98
24) 1,1-Dichloroethane	6.021	63	46678	10.165	ug/l	99
25) 2-Butanone	6.996	43	46317	55.154	ug/l	100
26) 2,2-Dichloropropane	6.990	77	45375	11.210	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	30964	9.954	ug/l	97
28) Bromochloromethane	7.344	49	19411	10.649	ug/l	98
29) Tetrahydrofuran	7.356	42	29158	52.790	ug/l	99
30) Chloroform	7.514	83	49387	10.464	ug/l	98
31) Cyclohexane	7.789	56	46996	10.635	ug/l #	94
32) 1,1,1-Trichloroethane	7.703	97	45404	10.776	ug/l	98
36) 1,1-Dichloropropene	7.923	75	38612	9.848	ug/l	99
37) Ethyl Acetate	7.082	43	20642	10.288	ug/l	98
38) Carbon Tetrachloride	7.905	117	42838	10.324	ug/l	98
39) Methylcyclohexane	9.185	83	48353	9.582	ug/l	98
40) Benzene	8.167	78	113302	9.796	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9041m	8.355	ug/l	
42) 1,2-Dichloroethane	8.240	62	33465	10.497	ug/l	99
43) Isopropyl Acetate	8.277	43	36625	9.875	ug/l	98
44) Trichloroethene	8.941	130	31840	9.758	ug/l	94
45) 1,2-Dichloropropane	9.222	63	26640	9.634	ug/l	93
46) Dibromomethane	9.307	93	15074	9.411	ug/l	99
47) Bromodichloromethane	9.496	83	37907	9.986	ug/l	97
48) Methyl methacrylate	9.295	41	16301	9.888	ug/l	99
49) 1,4-Dioxane	9.307	88	4670	214.612	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	103574	52.919	ug/l	98
52) Toluene	10.246	92	72757	9.789	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	41097	9.852	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	45215	9.685	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	23546	9.992	ug/l	98
56) Ethyl methacrylate	10.514	69	29929	9.375	ug/l	98
57) 1,3-Dichloropropane	10.788	76	39015	9.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	81645	58.629	ug/l	99
59) 2-Hexanone	10.837	43	70206	51.965	ug/l	99
60) Dibromochloromethane	10.989	129	27962	9.691	ug/l	99
61) 1,2-Dibromoethane	11.093	107	21960	9.645	ug/l	97
64) Tetrachloroethene	10.721	164	28655	9.567	ug/l	96
65) Chlorobenzene	11.520	112	80841	9.937	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	29942	9.904	ug/l	99
67) Ethyl Benzene	11.593	91	139474	9.910	ug/l	100
68) m/p-Xylenes	11.703	106	110004	19.546	ug/l	99
69) o-Xylene	12.032	106	51019	9.561	ug/l	99
70) Styrene	12.044	104	88041	9.786	ug/l	99
71) Bromoform	12.209	173	19418	9.553	ug/l #	99
73) Isopropylbenzene	12.331	105	136766	9.772	ug/l	100
74) N-amyl acetate	12.148	43	34035	10.265	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	27903	10.180	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18896m	9.948	ug/l	
77) Bromobenzene	12.611	156	34331	9.356	ug/l	97
78) n-propylbenzene	12.672	91	163895	9.924	ug/l	100
79) 2-Chlorotoluene	12.757	91	91898	9.871	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	115681	9.973	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	9891	9.712	ug/l	98
82) 4-Chlorotoluene	12.855	91	96449	10.007	ug/l	99
83) tert-Butylbenzene	13.074	119	99840	9.705	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	113797	9.901	ug/l	100
85) sec-Butylbenzene	13.251	105	150076	9.970	ug/l	100
86) p-Isopropyltoluene	13.373	119	128962	9.918	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	68837	9.733	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68749	9.835	ug/l	96
89) n-Butylbenzene	13.696	91	115494	10.075	ug/l	99
90) Hexachloroethane	13.958	117	23370	9.966	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	62330	9.951	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4930	10.708	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	39885	9.129	ug/l	99
94) Hexachlorobutadiene	15.117	225	25766	9.419	ug/l	99
95) Naphthalene	15.239	128	77354	9.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34775	9.079	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

